

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10816,357
Source: IFW
Date Processed by STIC: 10/26/04

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IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/816,357

DATE: 10/26/2004

TIME: 10:14:43

Input Set : A:\PTO.LM.TXT

Output Set: N:\CRF4\10262004\J816357.raw

3 <110> APPLICANT: Liew, Choong-Chin
 5 <120> TITLE OF INVENTION: Method for the Detection of Asthma Related Gene Transcripts
 in Blood
 7 <130> FILE REFERENCE: 4231/2055Q
 9 <140> CURRENT APPLICATION NUMBER: US 10/816,357
 10 <141> CURRENT FILING DATE: 2004-04-01
 12 <150> PRIOR APPLICATION NUMBER: US 10/802,875
 13 <151> PRIOR FILING DATE: 2004-03-12
 15 <150> PRIOR APPLICATION NUMBER: 10/812,646
 W--> 16 <151> PRIOR FILING DATE: 2004-3-30
 18 <150> PRIOR APPLICATION NUMBER: US 10/601,518
 19 <151> PRIOR FILING DATE: 2003-06-20
 21 <150> PRIOR APPLICATION NUMBER: US 10/268,730
 22 <151> PRIOR FILING DATE: 2002-10-09
 24 <150> PRIOR APPLICATION NUMBER: US 10/085,783
 25 <151> PRIOR FILING DATE: 2002-02-28
 27 <150> PRIOR APPLICATION NUMBER: US 09/477,148
 28 <151> PRIOR FILING DATE: 2000-01-04
 30 <150> PRIOR APPLICATION NUMBER: US 60/271,955
 31 <151> PRIOR FILING DATE: 2001-02-28
 33 <150> PRIOR APPLICATION NUMBER: US 60/305,340
 34 <151> PRIOR FILING DATE: 2001-07-13
 36 <150> PRIOR APPLICATION NUMBER: US 60/275,017
 37 <151> PRIOR FILING DATE: 2001-03-12
 39 <150> PRIOR APPLICATION NUMBER: US 60/115,125
 40 <151> PRIOR FILING DATE: 1999-01-06
 42 <160> NUMBER OF SEQ ID NOS: 112
 44 <170> SOFTWARE: PatentIn version 3.2
 46 <210> SEQ ID NO: 1
 47 <211> LENGTH: 110
 48 <212> TYPE: DNA
 49 <213> ORGANISM: Human
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 65 <222> LOCATION: (16)..(16)
 66 <223> OTHER INFORMATION: n is a, c, g, or t
 68 <220> FEATURE:

(pg. 6-8)

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Input Set : A:\PTO.LM.TXT

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Input Set : A:\PTO.LM.TXT

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RAW SEQUENCE LISTING

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Input Set : A:\PTO.LM.TXT

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Input Set : A:\PTO.LM.TXT

Output Set: N:\CRF4\10262004\J816357.raw

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/816,357

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Input Set : A:\PTO.LM.TXT
Output Set: N:\CRF4\10262004\J816357.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 16,19,25,38,40,42,44,64,65,66,70,71,81,86,89,117,121,123,125
Seq#:2; N Pos. 143,177,179,181,193,194,209,210,215,217,221,226,233,236,243
Seq#:2; N Pos. 251,252,253,254,270,272,274,275,283,292,293,299,303,307,312
Seq#:2; N Pos. 319,324,325,328,329,342,345,366,377,382,381,395,400,412,413
Seq#:2; N Pos. 422,424,426,433,439,442,452,460,463,471,495,500,504,516
Seq#:5; N Pos. 13,14,16,20,21,25,26,27,28,42,52,55,57,59,63,65,68,72,74,77
Seq#:5; N Pos. 91,102,117,127,128,169,172,192,203,243,244,248,249,253,283
Seq#:5; N Pos. 288,299,318,327,334,348,359,360
Seq#:6; N Pos. 475,556,559,585,606,644,671,693,695,714,742,744,756,765,768
Seq#:6; N Pos. 808,815,823,830,837
Seq#:10; N Pos. 433,600,615,626,645,661
Seq#:14; N Pos. 6,15,37,38,47,56,57,94,127,155,157
Seq#:16; N Pos. 5,15,39,47,52,69,154,207,217
Seq#:17; N Pos. 18,19,27,47,66,76,82,108,133,162,210,260,276
Seq#:19; N Pos. 17,40,59,76,107,165,189,216,221,230
Seq#:21; N Pos. 17,23,28,36,41,44,53,59,62,67,70,71,74,76,79,83,84,86,97
Seq#:22; N Pos. 2,17,37,52,53,56,77,85,89,96
Seq#:23; N Pos. 17,19,27,28,29,37,38,46,49,65,72
Seq#:24; N Pos. 5,13,71,88,91,109,157,177,199,207,211
Seq#:26; N Pos. 299,333,353,410,411,460,474,479
Seq#:27; N Pos. 348,422,435,476,490
Seq#:28; N Pos. 18,47,59,74,138,174,176,211
Seq#:29; N Pos. 1,2,12,29,34
Seq#:30; N Pos. 3,4,5,6,8,13,15,20,27,32,33,40,49,50,57,63,67,69,76,78,87
Seq#:30; N Pos. 89
Seq#:31; N Pos. 12,26,46,49,55,60,63,69,70,73,79,92,96
Seq#:32; N Pos. 2,7,27,34,57,63,64,67,73,75,76,77,78,80,90,96,97,98
Seq#:33; N Pos. 5,12,28,32,38,44,57,68,76,82,92
Seq#:34; N Pos. 3,21,27,28,38,47,50,53,61,73,78,83,85,97
Seq#:35; N Pos. 21,22,28,32,65,67,68,70,77,83,92
Seq#:36; N Pos. 4,8,29,43,44,46,57,59,84,98,115,117,118
Seq#:37; N Pos. 7,10,53,61,65,66,72,74,75,89,94,100,107,126,141
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Seq#:39; N Pos. 5,7,8,10,15,16,20,24,71
Seq#:40; N Pos. 80,91
Seq#:42; N Pos. 14,31,36,63,73,93,98
Seq#:44; N Pos. 2,11,27,28,34,38,39,41,49,50,61,62,67,68,76,79,80,85,89,93
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Seq#:46; N Pos. 74
Seq#:47; N Pos. 7,8,17,23,33,42,47,48,52,55,60,62,66,70,71,74,84,86,87,96
Seq#:47; N Pos. 99,100
Seq#:48; N Pos. 5,6,33,35,36,42,46,48,55,59,69,81,87,91,94,97
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Seq#:50; N Pos. 5,6,13,18,22,39,45,48,54,65,70,72,80,83,90,94,96,98,102,104

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Seq#:50; N Pos. 113,115,117,121,123,125,128,142,144,160,174,175,180,181,186
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Seq#:50; N Pos. 358,361,367,382,389,395,410,413,414,418,425,436,443
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Seq#:52; N Pos. 13,14,17,20,22,27,29,31,36,43,46,58,59,74,78,81,85,87,88,90
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Seq#:52; N Pos. 167,169,170,171,172,179,183,185,186,187,194,200,201,202,203
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Seq#:56; N Pos. 4
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Seq#:70; N Pos. 26
Seq#:71; N Pos. 5,19,29,38,42,45,49,61,77,79,88,90,100,110
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Seq#:73; N Pos. 7,16,233
Seq#:74; N Pos. 31,32,57
Seq#:76; N Pos. 11,35,37,38,43,56,67,71,75
Seq#:77; N Pos. 6,11
Seq#:78; N Pos. 11,20,24,31,38,53,61,62,66,83,84,92,109,115,146,153,166
Seq#:79; N Pos. 10,20,29,30,35,49,92
Seq#:80; N Pos. 9,88,98,105,107,127,142,147,161,166,167,171,180,196,206
Seq#:81; N Pos. 22,33,34,39
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Seq#:83; N Pos. 8,36
Seq#:84; N Pos. 30
Seq#:89; N Pos. 37,47,108,112,129,134,152,168,196,239
Seq#:91; N Pos. 326,338,339,344
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Seq#:94; N Pos. 5,25,38,39,44,46,59,66,70,74,80,82,83,84,86,90,91,92,112
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Seq#:95; N Pos. 198,200,201,211,212,219,222,223,226,231,240,243,244,249,255
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Seq#:96; N Pos. 171,622,628,642,661,668,694,709,710,735,751,752,763,778,782

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Seq#:96; N Pos. 786,788,798

Seq#:98; N Pos. 17

Seq#:99; N Pos. 8,361

Seq#:100; N Pos. 8,39,50,56,71,72,97,110,177

Seq#:101; N Pos. 121

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L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60

L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:120

L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:180

L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:240

L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:300

L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:360

L:403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:420

L:405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:480

L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0

L:615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60

L:617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:120

L:619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:180

L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:240

L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:300

L:749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:420

L:753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:540

L:755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:600

L:757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:660

L:759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:720

L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:780

L:858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:420

L:862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:540

L:864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:600

L:866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:660

L:966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0

L:968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:60

L:970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:120

L:1048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0

L:1050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:60

L:1052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:120

L:1054 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:180

L:1124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0

L:1126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:60

L:1128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:120

L:1130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:180

L:1132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:240

L:1215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0

L:1217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:60

L:1219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:120

L:1221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:180

L:1333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0

L:1335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:60

L:1390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0

L:1392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60

L:1442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0

L:1444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:60

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L:1509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:1511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:60
L:1513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:120
L:1515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:180
L:1587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:240
L:1589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:300
L:1591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:360
L:1593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:420
L:1640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:300
L:1644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:420
L:1646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:480
L:1696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:1698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:60
L:1700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:120
L:1702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:180
L:1732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:1829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:1831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:60
L:1901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:1903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:60
L:1973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:60
L:2040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:2042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
L:2117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:2119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:60
L:2174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:2176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:60
L:2241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:2243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:60
L:2320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:2322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:60
L:2324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:120
L:2364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:2366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:60
L:2411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:2413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:60
L:2435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:60
L:2499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:2501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:60
L:2596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:2598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:60
L:2668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:2670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:60
L:2687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:60
L:2782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:2784 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:60
L:2864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:2866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:60

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L:2946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:2950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:120
L:2952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:180
L:2954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:240
L:2956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:300
L:2958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:360
L:2960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:420
L:3320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:3322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:60
L:3324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:120
L:3326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:180
L:3328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:240
L:3330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:300
L:3332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:360
L:3334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:420
L:3424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:3426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:60
L:3430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:180
L:3432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:240
L:3434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:300
L:3438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:420
L:3902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0
L:3904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:60
L:3906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:120
L:3908 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:180
L:3910 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:240
L:3912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:300
L:3914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:360
L:3916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:420
L:3918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:480
L:3920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:540
L:3922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:600
L:3924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:660
L:3986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:3988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:60
L:4063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:4065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:60
L:4067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120
L:4082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:4341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:300
L:4358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
L:4454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
L:4456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:60
L:4477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:120
L:4512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
L:4518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:180
L:4548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
L:4619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0
L:4621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:60

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L:4651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0
L:4744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:0
L:4746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:60
L:4748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:120
L:4796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0
L:4798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:60
L:4880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:0
L:4882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:60
L:4884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:120
L:4886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:180
L:4911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
L:4970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:4972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:60
L:4974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:120
L:5004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0
L:5023 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:0
L:5169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0
L:5171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:60
L:5173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:120
L:5175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:180
L:5229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:300
L:5251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:0
L:5673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0
L:5675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:60
L:5677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:120
L:5679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:180
L:5681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:240
L:5683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:300
L:5685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:360
L:5687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:420
L:5689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:480
L:5984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:0
L:5986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:60
L:5988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:120
L:5990 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:180
L:5992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:240
L:5994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:300
L:5996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:360
L:6090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:120
L:6106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:600
L:6108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:660
L:6110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:720
L:6112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:780
L:6146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:0
L:6168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:0
L:6180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:360
L:6234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:0
L:6236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:60
L:6238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:120

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L:6265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:120